



## SPECIFICATION

### Descriptive Title of the Invention

**Bow-Facing Rowing System**

### Cross Reference to Related Applications

U.S. Cl. 416, subclass 74

U.S. Cl. 440, subclasses 101, 102, 103, 104, 105

U.S. Cl. D12, subclass 215 and 317

References Cited:

#### Articulating Oar Gearing

1,609,330	7/12/1926	Thibodeau
1,120,944	15/12/1914	Koble
2,033,637	10/3/1936	Kaiser
2,565,714	28/8/1951	Anderson
5,112,261	12/4/1992	Humphrey
6,113,447	9/5/2000	Roy et.al.
4,738,643	4/19/1988	Noggle
0,517,999	10/5/1894	Burns
0,355,879	11/1/1887	McGee
D252,625	14/8/1979	White
D235,865	15/7/1975	Bellis
6,083,066	4/7/2000	Wright
4,943,250	6/1990	duPont

#### Outrigger- Foot Operated

89,663	5/1869	Heroux
5,647,782	6/15/1997	Henry
5,215,482	1/1/1993	Henry

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4,889,509	26/12/1989	Pohlus
5,685,750	11/11/1997	Rantilla
6,109,988	29/8/2000	Dunn, Jr.
4,867,719	19/9/1989	duPont
4,383,830	17/5/1983	Cartwright
3,828,212	8/16/1988	KrollPfeifer
2,101,946(UK)	28/1/83	Waugh et. al.
2,099,773(UK)	5/6/1981	Wolloner

#### Auto-feathering Blade

4,943,250	24/7/1990	duPont
5,248,272	28/9/1993	duPont
3,215,482	24/4/1973	Trull
2,209,723(UK)	9/8/1988	Witchell
4,406,438 (Germany)		
	11/9/1987	Fischer

#### **Statement Regarding Federal Sponsored R&D**

None

#### **Background of the Invention**

##### ***Discussion of Prior Art***

Forward facing rowing systems have historically either used an articulating oar or fixed the inboard end of the oar to a stanchion or vertical support. A few of the inventions listed above have utilized feet to move outriggers instead of the commonly used sliding seat. There are also a few forward facing rowing systems that incorporated blade-feathering devices. Additionally there are traditional rear facing rowing systems that have foot-operated outriggers. However no prior invention integrates a solution to facing forward, feathering the oar and foot driven outriggers